

Claim 2. (Amended) [A] The plant as claimed in claim 1, [characterised in that] wherein
the or each stator winding comprises a cable [(6)] intended for high voltage comprising one or
more current carrying conductors [(31)] surrounded by said solid insulation system.

Claim 3. (Amended) [A] The plant as claimed in claim 2, [characterised in that] wherein
the solid insulation system comprises at least two spaced apart semiconducting layers each
providing essentially an equipotential surface, and an intermediate insulating layer between the
semiconducting layers having substantially the same coefficient of thermal expansion as at least
one of the semiconducting layers.

Claim 4. (Amended) [A] The plant as claimed in claim 3, [characterised in that] wherein
the innermost semiconducting layer [(32)] is at substantially the same potential as the [said]
conductor(s) [(31)].

Claim 5. (Amended) [A] The plant as claimed in [either claim 3 or claim 4, characterised
in that] claim 3 wherein the outer semiconducting layer [(34)] is arranged to form essentially an
equipotential surface surrounding the conductor(s) [(31)].

Claim 6. (Amended) [A] The plant as claimed in claim 5, [characterised in that] wherein
said outer semiconducting layer [(34)] is connected to a predefined potential.

Claim 7. (Amended) [A] The plant as claimed in claim 6, [characterised in that] the
predefined potential is earth potential.

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Claim 8. (Amended) [A] The plant as claimed in [any one of claims 3 to 7, characterised in
that] claim 3 wherein the current-carrying conductors comprise a plurality of electrically
insulated strands and at least one uninsulated strand.

Claim 9. (Amended) [A] The plant as claimed in [any one of the preceding claims, characterised in that] claim 1, wherein the rotor [(2)] is equipped with a short-circuited winding, resulting in a generator of the induction type.

Claim 10. (Amended) [A] The plant as claimed in [any one of claims 1 to 8, characterised in that] claim 1, wherein the rotor [(2)] is equipped with a field winding in which DC-current flows, resulting in a generator of the synchronous type.

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Claim 11. (Amended) [A] the plant as claimed in [any one of claims 2 to 10, characterised in that] claim 1, wherein the cables [(6)] with solid insulation have a conductor area of between 10 and 200 mm² and have an outer cable diameter of between 10 and 40 mm.

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Claim 12. (Amended) [A] The plant as claimed in [any one of the preceding claims, characterised in that] claim 1, wherein the said generator [(100)] is designed for high voltage and is arranged to supply the out-going electric network [(110)] directly without any intermediate connection of a transformer.

Claim 13. (Amended) [A] The plant as claimed in claim 12, [characterised in that] wherein said generator [(100)] is earthed via an impedance [(103)].

Claim 14. (Amended) [A] The plant as claimed in claim 12, [characterised in that] wherein said generator [(100)] is directly earthed.

Claim 15. (Amended) [A] The plant as claimed claim 12, [characterised in that] wherein the generator is arranged to generate power to various voltage levels.

Claim 16. (Amended) [A] The plant as claimed claim 15, [characterised in that] wherein one of said voltage levels is arranged to generate auxiliary power and that the auxiliary power is arranged to be generated from a separate winding [(119;113)] in the generator [(100)].

Claim 17. (Amended) [A] The plant as claimed in [any one of the preceding claims, characterised in that] claim 1 wherein it comprises several generators, each of which lacks an individual step-up transformer, but which, via a system transformer common to the generators, is connected to the transmission or distribution network.

Claim 18. (Amended) [A] The plant as claimed in [any one of the preceding claims, characterised in that] claim 1 wherein the winding of the or each generator is arranged for self-regulating field control and lacks auxiliary means for control of the field.

Claim 19. (Amended) [A] The plant as claimed in [any one of the preceding claims, characterised in that] claim 1 wherein the windings of the or each generator can be connected for multiple-speed operation using different numbers of pole [poles e.g. Dahlander-coupling].

Claim 20. (Amended) [A] The plant as claimed in [any one of the preceding claims, characterised in that] claim 1 wherein at least one wind turbine is equipped with two or more generators having different numbers of poles so that multiple-speed operation is possible.

Claim 21. (Amended) [A] The plant as claimed in [any one of the preceding claims, characterised in that] claim 1 wherein the or each generator is connected to a frequency convertor comprising a rectifier, a DC-link and an inverter.

Claim 22. (Amended) [A] The plant as claimed in claim 21, [characterised in that] wherein series connected valves are used in the inverter and the rectifier.

Claim 23. (Amended) [A] The plant as claimed in claim 22, [characterised in that] wherein the inverter is net commutated with current-stiff DC- link.

Claim 24. (Amended) [A] The plant as claimed in claim 22, [characterised in that] wherein the inverter is self commutated and consists of series-connected IGBTs.

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Claim 25. (Amended) An electric generator [(100)] for high voltage included in a wind power plant in which the generator is coupled to a turbine [(102)] via shaft means [(101)], said generator [(100)] comprising a stator with at least one stator winding and a rotor, [characterised in that] wherein the at least one stator winding is provided with solid insulation and in that each winding is arranged to be directly connected via coupling elements [(109)] to a transmission or distribution network [(110)] having a voltage of between 2 and 50 kV preferably higher than 10 kv.

Claim 26. (Amended) [A] The generator as claimed in claim 25, [characterised in that] wherein it includes the features defined for the generator included in the plant [as claimed in any one of claims 2 to 24].

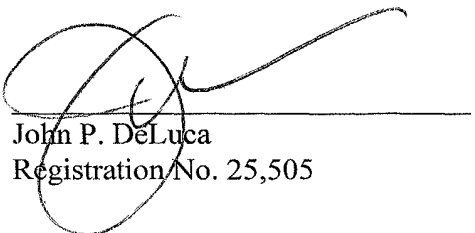
Please delete all multiple dependencies. If any multiple dependencies remain in the claims, it is respectfully requested that said multiple dependencies be deleted and reference be made to the immediately preceding claim.

REMARKS

The application has been amended in order to delete the multiple dependencies from the claims and to place the application in better format according to U.S. practice.

Examination on the merits is earnestly solicited.

Respectfully submitted,


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